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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS(S): Mathieu Confirmation No.: 2414  
SERIAL NO.: 10/521,822 ART UNIT: N/A  
FILED: July 8, 2005 EXAMINER: N/A  
ATTORNEY DOCKET NO. 003D.0045.U1(US)

TITLE: Capacitive Antenna and Production Process Therefor

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED FILING RECEIPT and NOTICE OF ACCEPTANCE

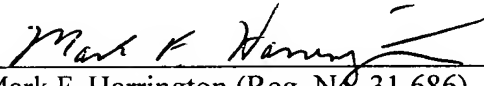
Sir:

Please correct the Foreign Applications date for this application as follows:

Correct date from "07/22/2002" to -- 07/25/2002 --.

Attached is a copy of the cover page of the published application and a copy of the official Filing Receipt and Notice of Acceptance for this application.

Respectfully submitted,

  
Mark F. Harrington (Reg. No. 31,686)  
Customer No.: 29683  
Harrington & Smith, LLP  
4 Research Drive  
Shelton, CT 06484-6212  
Telephone: 203-925-9400

9/22/05  
Date

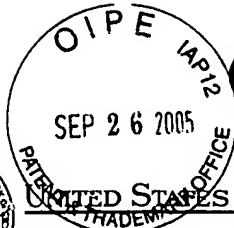
CERTIFICATION OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service by regular mail service under 37 CFR 1.10 on the date indicated below and addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

9/22/05  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/521,822	07/08/2005	2821	1130	003D.0045.U1(US)	1	10	2

29683  
 HARRINGTON & SMITH, LLP  
 4 RESEARCH DRIVE  
 SHELTON, CT 06484-6212

CONFIRMATION NO. 2414

## FILING RECEIPT

\*OC000000016887439\*

\*OC000000016887439\*

Date Mailed: 09/06/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

## Applicant(s)

Christophe Mathieu, Poissy, FRANCE;

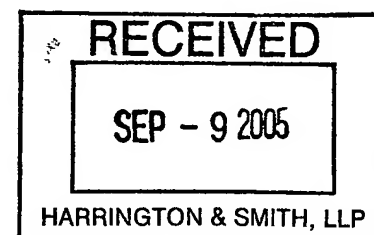
**Power of Attorney:** The patent practitioners associated with Customer Number 29683.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/FR03/50020 07/24/2003

## Foreign Applications

FRANCE 0209462 07/22/2002



Projected Publication Date: 12/08/2005

Non-Publication Request: No

Early Publication Request: No

## Title

Capacitive antenna and method for making same

Preliminary Class

## PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/521,822	Christophe Mathieu	003D.0045.U1(US)

INTERNATIONAL APPLICATION NO.

PCT/FR03/50020

IA. FILING DATE	PRIORITY DATE
07/24/2003	07/22/2002

29683  
 HARRINGTON & SMITH, LLP  
 4 RESEARCH DRIVE  
 SHELTON, CT 06484-6212

CONFIRMATION NO. 2414  
 371 ACCEPTANCE LETTER  
 \*OC000000016887440\*  
 \*OC000000016887440\*

Date Mailed: 09/06/2005

**NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495**

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

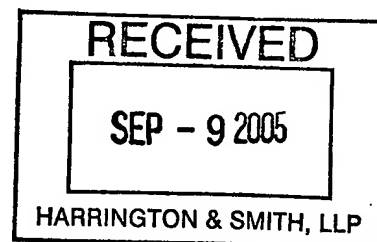
The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>07/08/2005</u>	<u>07/08/2005</u>
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF COMPLETION OF ALL 35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 01/21/2005
- English Translation of the IA filed on 01/21/2005
- Copy of the International Search Report filed on 01/21/2005
- Preliminary Amendments filed on 01/21/2005
- Information Disclosure Statements filed on 01/21/2005
- Oath or Declaration filed on 07/08/2005
- U.S. Basic National Fees filed on 01/21/2005
- Priority Documents filed on 01/21/2005



Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

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PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)



(12) DEMANDE INTERNATIONALE PUBLÉE EN VERTU DU TRAITÉ DE COOPÉRATION  
EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété  
Intellectuelle  
Bureau international



(43) Date de la publication internationale  
5 février 2004 (05.02.2004)

PCT

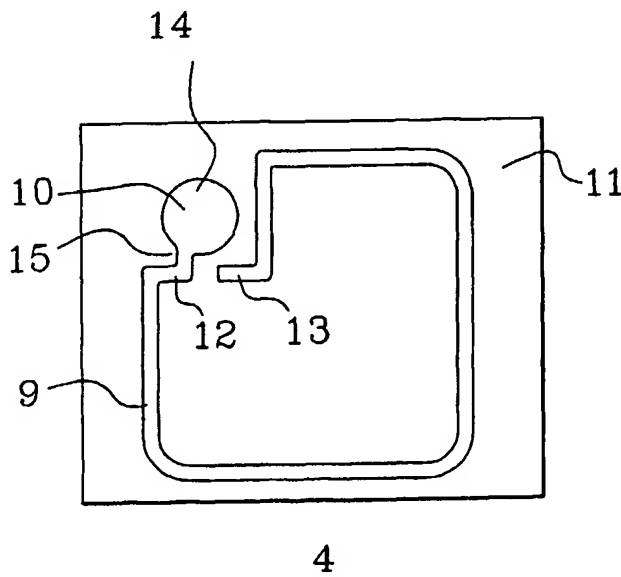
(10) Numéro de publication internationale  
**WO 2004/012299 A2**

- (51) Classification internationale des brevets<sup>7</sup> : H01Q 7/00 (74) Mandataire : SCHMIT, Christian, Norbert,; 8, place du Ponceau, F-95000 Cergy (FR).
- (21) Numéro de la demande internationale : PCT/FR2003/050020 (81) États désignés (*national*) : AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) Date de dépôt international : 24 juillet 2003 (24.07.2003)
- (25) Langue de dépôt : français
- (26) Langue de publication : français
- (30) Données relatives à la priorité : 02/09462 25 juillet 2002 (25.07.2002) FR (84) États désignés (*régional*) : brevet ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), brevet eurasien (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), brevet européen (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), brevet OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Déposant (*pour tous les États désignés sauf US*) : FCI [FR/FR]; 53, rue de Châteaudun, F-75009 Paris (FR).
- (72) Inventeur; et
- (75) Inventeur/Déposant (*pour US seulement*) : MATHIEU, Christophe [FR/FR]; 187bis, avenue du Maréchal Foch, F-78300 Poissy (FR).
- Publiée : — *sans rapport de recherche internationale, sera republiée dès réception de ce rapport*

[Suite sur la page suivante]

(54) Title: CAPACITIVE ANTENNA AND METHOD FOR MAKING SAME

(54) Titre : ANTENNE CAPACITIVE ET PROCEDE DE REALISATION



(57) Abstract: The invention concerns a method for making a capacitive antenna (4) by performing a gravure process on the antenna comprising a single turn (9) connected to a capacitor (10), the turn and the capacitor being printed by a gravure process with a conductive ink. The use of a dielectric ink for the gravure process also enables a dielectric thickness (16) to be obtained between two conductive electrodes (14, 17) printed by gravure process. The capacitance of the capacitor is determined on the basis of the antenna inductance, the frequency of communication and the law of resonance whereto a chip (3) connected to said antenna (4) is subjected.

(57) Abrégé : Procédé de réalisation d'une antenne (4) capacitive par héliogravure l'antenne comportant une spire unique (9) reliée à un condensateur (10), la spire et le condensateur étant imprimés par héliogravure avec une encre conductrice. Une épaisseur (16) de diélectrique entre deux électrodes (14, 17) conductrices du condensateur imprimées par héliogravure est également obtenue par

héliogravure en utilisant une encre diélectrique. La capacité du condensateur est déterminée en fonction de l'inductance de l'antenne, de la fréquence de communication et de la loi de résonance à laquelle est soumise une puce (3) reliée à cette antenne (4).

WO 2004/012299 A2